

Amendments to the Claims

What is claimed is:

1. (Currently amended) A method of generating nanoparticles of gold, silver or platinum group metals; the method comprising the steps of:
 - (a) adsorbing dissolved species of gold, silver or platinum group metals onto an [[absorbent]] adsorbent, thereby producing a loaded adsorbent;
 - (b) ashing the loaded [[absorbent]] adsorbent to produce ashes; and
 - (c) removing impurities from the said ashes.
2. (Currently amended) The method of claim 1 wherein said dissolved species include complexes of cyanide, chloride and thiourea.
3. (Currently amended) The method of claim 1 wherein said [[absorbent]] adsorbent [[includes]] is selected from the group consisting of activated carbon and resin.

REFERENCES

Cai, H.; Chaudhary, N.; Lee, J.; Becker, M. F.; Brock, J. R.; Keto, J. W.; 1998, Generation of metal nanoparticles by laser ablation of microspheres, *Journal of Aerosol Science*, vol. 29, no. 5-6, pp. 627-636.

Esumi, K.; Suzuki, A.; Yamahira, A.; Torigoe, K., 2000, Role of polyamidoamine dendrimers for preparing nanoparticles of gold, platinum and silver, *Langmuir*, vol. 16, no. 6, pp. 2604-2608.

Esumi, K.; Hosoya, T.; Suzuki, A.; Torigoe, K., 2000, Spontaneous formation of gold nanoparticles in aqueous solution of sugar-persubstituted polyamidoamine dendrimers, *Langmuir*, vol. 16, no. 6, pp. 2978-2980.

Grohn, F.; Kim, G.; Bauer, B. J.; Amis, E. J., 2001, Nanoparticle formation within dendrimer-containing polymer networks: Route to new organic-inorganic hybrid materials, *Macromolecules*, vol. 34, no. 7, pp. 2179-2185.

Ravaine, S.; Fanucci, G. E.; Seip, C. T.; Adair, J. H.; Talham, D. R., 1998, Photochemical generation of gold nanoparticles in Langmuir-Blodgett films, *Langmuir*, vol. 14, no. 3, pp. 708-713.